

1044 U.S. PT  
10/31/01

12-06-01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
REQUEST FOR FILING NATIONAL PATENT APPLICATION  
Under 35 USC 111(a) and Rule 53(b)

PATENT APPLICATION

Hon. Commissioner of Patents  
Washington, D.C. 20231

WITH SIGNED DECLARATION

NONPROVISIONAL  
NON REISSUE  
NON PCT NAT PHASE

1044 U.S. PT  
10/31/01

Sir:

Herewith is the PATENT APPLICATION of  
Inventor(s): James Little, Hiroshi Takatori and Scott Chiu

Title TIMING RECOVERY WITH VARIABLE BANDWIDTH PHASE  
LOCKED LOOP AND NON-LINEAR CONTROL PATHS

Atty. Dkt.: PW 024 9738 | P12830  
M# Client Ref

Date: October 31, 2001

including:

1. Specification: 21 pages (only spec. and claims) 2. ☐ Specification in non-English language  
3. Declaration ☒ Original ☐ Facsimile/Copy ☒ Abstract 1 page(s); 32 numbered claims  
4. ☒ Drawings: 5 sheet(s) ☒ informal; ☐ formal of size: ☐ A4 ☒ 11"  
5. ☐ See top first page re prior Provisional, National or International application(s). ("X" box only if info is there and do not complete corresponding item 5 or 6). (Prior M#          SN         )  
6. AMEND the specification please by inserting before the first line: -- This is a ☐ Continuation-in-Part  
☐ Divisional ☐ Continuation ☐ Substitute Application (MPEP 201.09) of:  
6(a) ☐ National Appln. No.          /          filed          (M#         )  
6(b) ☐ International Appln. No.          filed           
which designated the U.S., and that International Application ☐ was ☐ was not published under PCT Article 21(2) in English.--  
7. ☐ AMEND the specification by inserting before the first line: -- This application claims the benefit of U.S. Provisional Application No. 60/         , filed          --  
8. ☒ Attached is an assignment and cover sheet. Please return the recorded assignment to the undersigned.  
9. ☐ Prior application is assigned to

by Assignment recorded          Reel          Frame         

10. FOREIGN priority is claimed under 35 USC 119(a)-(d)/365(b) based on filing in           
11.          (country)

Application No.	Filing Date	Application No.	Filing Date
(1)		(2)	
(3)		(4)	
(5)		(6)	
(7)		(8)	
(9)		<input type="checkbox"/> See 3 <sup>rd</sup> page for additional priorities	

12.          (No.) Certified copy (copies): ☐ attached; ☐ previously filed (date)           
in U.S. Application No.          /          filed on           
13. Small entity status → ☒ is not claimed; ☐ is claimed (Pre-filing confirmation required)  
13(a) ☐ Attached:          (No.) Small Entity Statement(s) (since 9/8/00 small entity statement(s) not essential to make claim)  
13(b) ☐ See NONPUBLICATION REQUEST under Rule 213(a) attached (PAT-258)

14. DOMESTIC/INTERNATIONAL priority is claimed under 35 USC 119(e)/120/365(c) based on the following provisional, nonprovisional and/or PCT international application(s):

Application No.	Filing Date	Application No.	Filing Date
(1)		(4)	
(2)		(5)	
(3)		(6)	

15. ☐ This application is being filed under Rule 53(b)(2) since an inventor is named in the enclosed Declaration who was not named in the prior application.

16. ☐ Attached:

17. ☐ Preliminary Amendment:

**THE FOLLOWING FILING FEE IS BASED ON CLAIMS AS FILED LESS ANY ABOVE CANCELLED**

				Large/Small Entity		Fee Code
18. Basic Filing Fee				\$740/\$370	\$740	101/201
19. Total Effective Claims	32	minus 20 =	*12	x \$18/\$9 =	+ 216	103/203
20. Independent Claims	4	minus 3 =	*1	x \$84/\$42 =	+ 84	102/202
*If answer is zero or less, enter "0"						
21. If any proper multiple dependent claim (ignore improper) is present, add (Leave this line blank if this is a reissue application)				+ \$280/\$140	+ 0	104/204
22. TOTAL FILING FEE ENCLOSED =					\$1040	
23. If "non-English" box 2 is X'd, add Rule 17(k) processing fee				+ \$130	+ 0	139
24. If "assignment" box 8 is X'd, add recording fee				+ \$40	+ 40	581
25. <input type="checkbox"/> Attached is a Petition/Fee under Rule No.				+ \$130	+ 0	122
26. TOTAL FEE ENCLOSED =					\$1080	

Our Deposit Account No. 03-3975

Our Order No. 081674 C# 0249738 M#

**CHARGE STATEMENT:** The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficient fee only) now or hereafter relative to this application and the resulting Official document under Rule 20, or credit any overpayment, to our Account/Order Nos. shown above for which purpose a duplicate copy of this sheet is attached.

**This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal form is filed.**

**Pillsbury Winthrop LLP  
Intellectual Property Group**

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NOTE: File in duplicate with 2 post card receipts (PAT-103) & attachments

PATENT  
024 9738

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application  
TAKATORI, et al.

Serial No.: Not Assigned

Filed: October 31, 2001

For: TIMING RECOVERY WITH VARIABLE  
BANDWIDTH PHASE LOCKED LOOP AND NON-LINEAR  
CONTROL PATHS

Group No.: Not Assigned

Examiner: Not Assigned

CERTIFICATE OF MAILING VIA U.S. EXPRESS MAIL

"Express Mail" Mailing Label No. EL 860 912 752 US

Date of Deposit: October 31, 2001

Box Patent Application  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

I hereby certify that

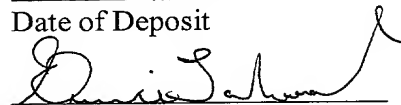
- ☒ Letter of transmittal
- ☒ Patent application (21 pages of specification; 32 claims; 1 pages of abstract)
- ☒ A check in the amount of \$1040.00 to cover the filing fee
- ☒ A Declaration/Power of Attorney
- ☒ 5 sheets of informal drawings
- ☒ Return postcard
- ☒ An Assignment of the invention with cover sheet and \$40.00 recordation fee

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service with sufficient postage under 37 CFR 1.10 on the date indicated above and are addressed to:

Box Patent Application  
Assistant Commissioner for Patents  
Washington, D.C. 20231.

October 31, 2001

Date of Deposit



Ernie Sandoval

TOP SECRET